



CITY COUNCIL

AGENDA REQUEST

AGENDA OF:	12-07-10	AGENDA REQUEST NO:	III-G
INITIATED BY:	GREG NICHOLS, PROJECT MANAGER	RESPONSIBLE DEPARTMENT:	ENGINEERING
PRESENTED BY:	ROBERT VALENZUELA , P.E., CFM ASSISTANT CITY ENGINEER <i>RV</i>	DEPARTMENT HEAD:	CHRIS STEUBING, P.E., CFM CITY ENGINEER <i>CLS</i>
		ADDITIONAL DEPARTMENT. HEAD (S):	MIKE GOODRUM DIRECTOR OF PUBLIC WORKS <i>AWG</i>
SUBJECT / PROCEEDING:	SUGAR LAKES CULVERT IMPROVEMENTS - DR1102 AUTHORIZE CONSTRUCTION CONTRACT		
EXHIBITS:	BID TABULATION LOCATION MAP		
CLEARANCES		APPROVAL	
LEGAL:	N/A	ASST. CITY MANAGER:	KAREN DALY <i>Kd</i>
PURCHASING:	TODD REED, PURCHASING MANAGER <i>(P)</i>	ASST. CITY MANAGER:	N/A
BUDGET:	JENNIFER BROWN, <i>JB</i> BUDGET & RESEARCH DIRECTOR	CITY MANAGER:	ALLEN BOGARD <i>Allen Bogard</i>
BUDGET			
EXPENDITURE REQUIRED: \$		226,125	
CURRENT BUDGET: \$		281,850	
ADDITIONAL FUNDING: \$		N/A	
RECOMMENDED ACTION			
Authorize a contract between the City and Jerdon Enterprise, L.P. for the Sugar Lakes Culvert Improvements Project in a maximum of \$226,125.			

EXECUTIVE SUMMARY

A Preliminary Engineering Report (PER) was performed on March 26, 2010 by Huitt-Zollars for the Sugar Lakes Culvert Repair. The PER was initiated to investigate and address potential seepage issues associated with the bulkhead, culverts or outfalls connecting Oyster Creek and Horseshoe Lake under Sugar Lakes Drive near Creekbend Drive. The results of the investigation revealed the first fifteen feet for two of the three 54-inch corrugated metal pipe (CMP) culverts has collapsed and separated from the concrete headwall on the Horseshoe Lake side as a result of tree root penetration and corrosion of the metal pipe.

Three alternatives were analyzed, each of which would repair the damaged pipes and prevent further deterioration of the sidewalk and Sugar Lakes Drive. In addition, the alternatives included the removal and replacement of the damaged sidewalk and the deteriorated timber bulkhead on the north side of the concrete headwall on the Horseshoe Lake side. Of the three alternatives, slip-lining the existing 54-inch CMP with centrifugally cast fiberglass reinforced polymer mortar pipe (CCFRPM) was selected due to its life cycle and the installation method. As a result, Sugar Lakes Drive will be reduced to one lane in each direction but will remain operational during construction. In addition, the project includes replacing the associated flap gates, concrete headwalls and 45 linear feet of timber bulkhead.

The project was advertised for bids on October 23, 2010 and November 3, 2010. Three bids were received on November 18, 2010 ranging from \$226,125 to \$592,750. The lowest responsible bidder was Jerdon Enterprise, L.P. for a total of \$226,125. The engineer's opinion of probable construction cost estimate was \$281,850.

Funding for this project is allocated in CIP DR1102, Localized Drainage Improvements, with an available balance of \$281,850. A Notice to Proceed is expected to be issued in January 2011 with a project schedule of approximately 90 days. The low bidder, Jerdon Enterprise, L.P., has completed numerous projects for the City of Sugar Land and is in good standing with the City.

The Engineering and Public Works Departments requests the City Council authorize a contract between the City of Sugar Land and Jerdon Enterprise, L.P. for the Sugar Lakes Culvert Improvements Project in a maximum amount of \$226,125.

EXHIBITS



Sugar Lakes
Culvert Improvements
CIP#DR1102



HUITT-ZOLLARS

HUITT-ZOLLARS, INC. • 1500 South Dairy Ashford • Suite 200 • Houston, TX 77077-3858 • 281.496.0066 phone • 281.496.0220 fax • huitt-zollars.com

November 18, 2010

Mr. Greg Nichols
CIP Project Manager
City of Sugar Land
P.O. Box 110
Sugar Land, TX 77487

Reference: Sugar Lakes Culvert Improvements
CIP No. DR-1102
Job No. 02.1218.02

Subject: Bid Tabulation and Recommendation for Award

Dear Mr. Nichols:

Huitt-Zollars, Inc. has reviewed the three (3) bids received on referenced project. See enclosed bid tabulation. The low bid is from Jerdon Enterprise, L.P. and totals \$ 226,125.00. This bid compares favorably with Huitt-Zollars' estimate and the bid received from Lewis Contractors, Inc. (Lewis) which totals \$ 285,950.00.

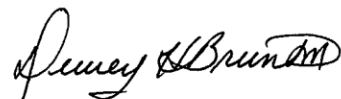
Lewis made a mathematical error which does not affect the apparent low bid. The grand total listed on the Bid Proposal is \$ 290,000.00. However, there was an error in Item No. 9. The calculation of 45 linear feet at a unit price of \$675.00 per linear foot is equal to \$30,375.00, not the \$34,425 shown on the Bid Proposal. Therefore, the correct sum of the bid items on the Bid Proposal is \$285,590.00. This amount is \$ 4,050.00 less than the \$290,000.00.

The low bidder, Jerdon Enterprise, L.P. included a Bid Bond from Hartford Fire Insurance Company for 5% of their bid amount as required in the bid documents. Jerdon Enterprises has satisfactorily completed several projects for the City of Sugar Land.

Therefore, it is our recommendation that the City of Sugar Land award referenced project to Jerdon Enterprise, L.P. in the amount of \$ 226,125.00.

Please contact me at 281-496-0066 if you have any questions or need additional information.

Very truly yours,
Huitt-Zollars, Inc.



Dewey H. Brunt III, P.E.
Project Manager

Enclosure

BID DATE: November 18, 2007

Item No.	Approx. Qty.	Meas. Unit	Item Description	ENGINEER'S ESTIMATE OF PROBABLE CONSTRUCTION COST		JERDON ENTERPRISE 13403 Red Fish Ln Stafford, TX 77477		LEWIS CONTRACTORS, INC. P.O. Box 1623 Bertram, TX 78605		HUFF & MITCHELL, INC. 13626 Kluge Cypress, TX 77429	
				Unit Cost	Item Total Amt. Bid	Unit Cost	Item Total Amt. Bid	Unit Cost	Item Total Amt. Bid	Unit Cost	Item Total Amt. Bid
1	1	LS	SITE PREPARATION, TO INCLUDE CARE & CONTROL OF WATER & COFFERDAMS	\$ 60,000.00	\$ 60,000.00	\$ 80,000.00	\$ 80,000.00	\$ 57,500.00	\$ 57,500.00	\$ 75,000.00	\$ 75,000.00
2	1	LS	TRAFFIC CONTROL AND REGULATION IN ACCORDANCE WITH TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES	\$ 6,000.00	\$ 6,000.00	\$ 10,000.00	\$ 10,000.00	\$ 6,000.00	\$ 6,000.00	\$ 10,000.00	\$ 10,000.00
3	1	LS	REMOVE & REPLACE TREE, TO INCLUDE RELOCATION OF ELECTRICAL LIGHTING AND RECONNECTION OF ELECTRICAL LEADS	\$ 1,800.00	\$ 1,800.00	\$ 5,000.00	\$ 5,000.00	\$ 3,200.00	\$ 3,200.00	\$ 5,500.00	\$ 5,500.00
4	1	LS	SELECTIVE DEMOLITION	\$ 600.00	\$ 600.00	\$ 20,000.00	\$ 20,000.00	\$ 13,000.00	\$ 13,000.00	\$ 35,000.00	\$ 35,000.00
5	30	LF	INSTALL 42-INCH CCFRPP BY OPEN CUT METHOD, TO INCLUDE EXCAVATION, INSTALLATION, CEMENT STABILIZED SAND, BACKFILL, AND CONNECTION TO HEADWALL	\$ 420.00	\$ 12,600.00	\$ 180.00	\$ 5,400.00	\$ 610.00	\$ 18,300.00	\$ 900.00	\$ 27,000.00
6	285	LF	INSTALL 42-INCH CCFRPP BY SLIP-LINE METHOD, TO INCLUDE SLIP-LINING 54-INCH CMP WITH 42-INCH CCFRPP, GROUTING OF VOID SPACE, AND CONNECTION TO HEADWALL	\$ 480.00	\$ 136,800.00	\$ 180.00	\$ 51,300.00	\$ 350.00	\$ 99,750.00	\$ 800.00	\$ 228,000.00
7	1	LS	EXCAVATION & FILL	\$ 900.00	\$ 900.00	\$ 5,000.00	\$ 5,000.00	\$ 20,000.00	\$ 20,000.00	\$ 50,000.00	\$ 50,000.00
8	425	SF	REINFORCED CONCRETE SIDEWALK	\$ 6.00	\$ 2,550.00	\$ 5.00	\$ 2,125.00	\$ 35.00	\$ 14,875.00	\$ 30.00	\$ 12,750.00
9	45	LF	INSTALL NEW TIMBER BULKHEAD AND TIMBER PILES	\$ 120.00	\$ 5,400.00	\$ 240.00	\$ 10,800.00	\$ 675.00	\$ 30,375.00	\$ 600.00	\$ 27,000.00
10	3	EA	REMOVE & REPLACE FLAPGATES	\$ 18,000.00	\$ 54,000.00	\$ 12,000.00	\$ 36,000.00	\$ 6,500.00	\$ 19,500.00	\$ 40,000.00	\$ 120,000.00
11	1	LS	SOD	\$ 1,200.00	\$ 1,200.00	\$ 500.00	\$ 500.00	\$ 3,450.00	\$ 3,450.00	\$ 2,500.00	\$ 2,500.00
GRAND TOTAL:					\$ 281,850.00		\$ 226,125.00		\$ 285,950.00		\$ 592,750.00